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(54) Title: NOVEL 1,2,4-BENZOTRIAZINE-1,4-DIOXIDES

(57) Abstract: The present invention provides a simplified set of characteristics that can be used to select 1,2,4 benzotriazine 1,4 dioxide compounds (TPZ analogues) with therapeutic activity against hypoxic cells in human tumour xenografts, and to further provide a novel class of 1,2,4-benzotriazine-1,4-dioxides (TPZ analogues) with predicted in vivo activity against tumours, to their preparation, and to their use as hypoxia-selective cytotoxic drugs and radiosensitizers for cancer therapy, both alone or in combination with radiation and/or other anticancer drugs.

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